AUTODOC CLUB

How to change front ABS sensor on **AUDI A3 Hatchback (8L1)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8, AUDI A3 Hatchback (8L1) 1.8 T, AUDI A3 Hatchback (8L1) 1.9 TDI, AUDI A3 Hatchback (8L1) 1.8 T quattro, AUDI A3 Hatchback (8L1) S3 quattro, AUDI A3 Hatchback (8L1) 1.9 TDI quattro

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The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Golf IV Hatchback (1J1) 1.6

REPLACEMENT: ABS SENSOR – AUDI A3 HATCHBACK (8L1). TOOLS YOU MIGHT NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Multipurpose grease
- Torque wrench
- Torx bit T30
- HEX bit No.H5
- HEX bit No.H7
- Wheel impact socket #17
- Ratchet wrench
- Flat screwdriver
- Pin punch
- Tap wrench
- Hammer
- Crow bar
- Wheel chock

Buy tools

Replacement: ABS sensor – AUDI A3 Hatchback (8L1). Tip from AUTODOC:

- All work should be done with the engine stopped.

REPLACEMENT: ABS SENSOR – AUDI A3 HATCHBACK (8L1). TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.

4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. AUDI A3 Hatchback (8L1)

5

Remove the wheel.



6

Clean the ABS sensor fastener. Use a nylon cleaning brush. Use WD-40 spray.



7

Detach the ABS sensor connector. Use a flat screwdriver.

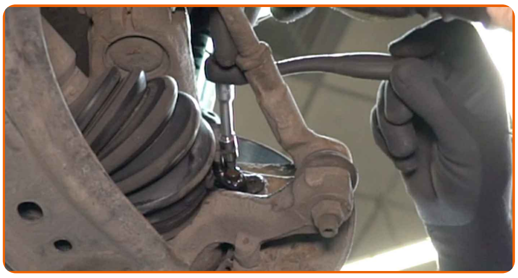


8

Clean the ABS sensor fastener. Use a wire brush. Use WD-40 spray.



9 Unscrew the ABS sensor fastener. Use HEX No.H5. Use a ratchet wrench.



10 Remove the caps from the brake caliper guide pin boots. Use a crowbar.



11 Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench. Use a tap wrench.



12 Spread the brake pads. Use a crowbar.



13

Remove the brake caliper.



Replacement: ABS sensor – AUDI A3 Hatchback (8L1). Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

14

Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.



15

Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.



16

Remove the brake disc.



17

Disconnect the ABS sensor. Use a pin punch. Use a hammer. Use a crowbar.

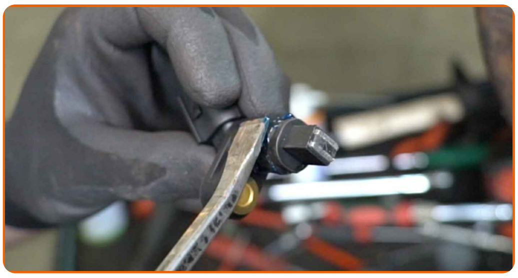


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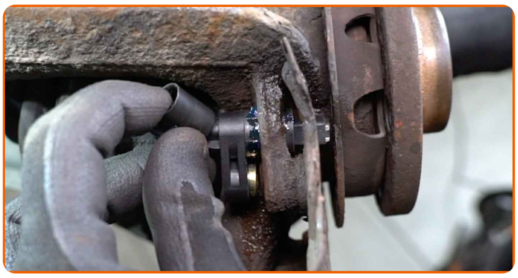
Clean the ABS sensor mounting seat. Use a wire brush. Use WD-40 spray.



19 Treat the ABS sensor fastener. Use a multipurpose grease.



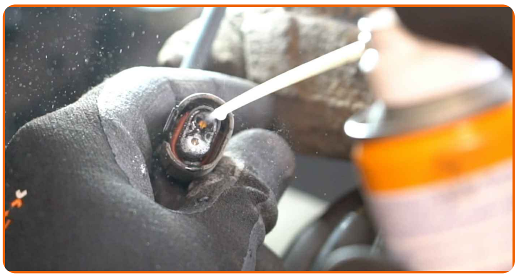
20 Connect the ABS sensor.



21 Tighten the fastener that connects the ABS sensor to the steering knuckle. Use HEX No.H5. Use a torque wrench. Tighten it to 6 Nm torque.



22 Treat the ABS sensor connector. Use dielectric grease.



23 Attach the ABS sensor connector.



24 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



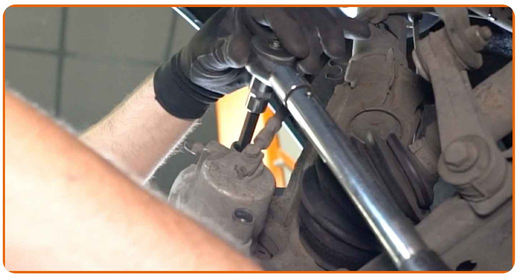
25 Install the brake disc.



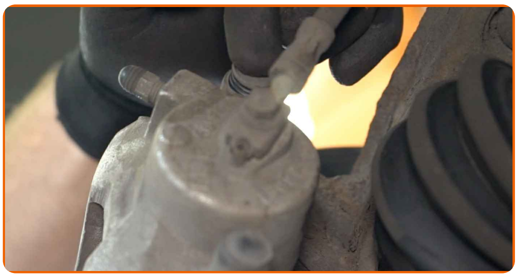
26 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 6 Nm torque.



27 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



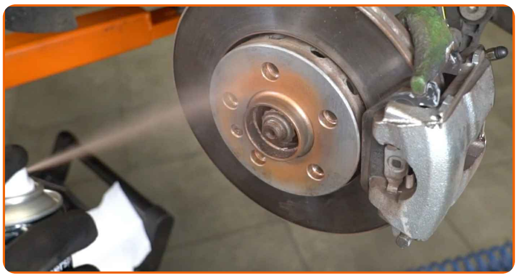
28 Install the caps on the brake caliper guide pin boots.



29 Clean the wheel rim mounting seat. Use a wire brush.



30 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



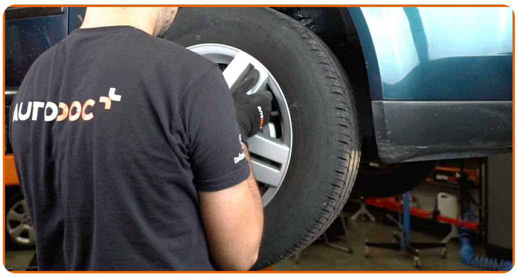
31 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: ABS sensor – AUDI A3 Hatchback (8L1). After applying the spray, wait a few minutes.

32 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI A3 Hatchback (8L1)

33 Screw in the wheel bolts. Use wheel impact socket #17.



34 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.



35

Remove the jacks and chocks.



WELL DONE!

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